

Claim Amendments

1 1. (Currently amended) A method for the controlled
2 delivery of digital services in by a plurality of providers (SP) to
3 a user (U), wherein said services are identified by respective
4 stream of encoded digital data emitted by said plurality of
5 providers (SP) and the user is provided with a receiver (STB) and a
6 single removable user unit (105) to receive said digital data
7 streams by said plurality of providers, the receiver being
8 selectively enabled to make use of determined services of a given
9 provider of said plurality, the method comprising the steps of:

10 incorporating by each of said plurality of providers (SP)
11 into said digital data streams a respective enabling algorithm
12 (TMW2) to be selectively loaded into ~~a~~ the single removable user
13 unit (105) to be associated to said receiver (STB) for enabling the
14 use of respective determined services ~~(TMW2)~~ of said plurality of
15 providers,

16 - incorporating into said digital data streams a respective
17 identifying code (EMM) for of the user (U) to be enabled to receive
18 said determined services,

19 - associating to said single removable user unit (105) a
20 processing function (VM) capable of recognizing and executing said
21 enabling algorithm by exploiting said identifying code to enable
22 the receiver (STB) of the user to make use of said respective
23 determined services of said plurality of providers.

1 2. (Original) The method according to claim 1, which
2 comprises the step of configuring said single removable user unit
3 (105) as a movable processing support uniquely assigned to said
4 users (1).

1 3. (Currently amended) The method according to claim 2
2 1, which comprises the step of configuring said single removable
3 user unit (105) as a smart card.

1 4. (Currently amended) The method according to claim 3
2 1, which comprises the steps of:
3 associating to said receiver (STB) a trusted middleware
4 (TMW) function,
5 configuring said trusted middleware function into a

6 static part (TMW1), residing on said receiver (STB), and a dynamic
7 part (TMW2) arranged to be selectively transferred onto said single
8 removable user unit (105) in view of the execution of said
9 respective enabling algorithm by said processing function (VM).

1 5. (Currently amended) The method according to claim 3
2 1, which comprises the steps of:

3 - configuring said digital data streams as MPEG data
4 streams containing EMM messages,
5 inserting said identifying code in to the EMM messages,
6 activating, through said single removable user unit (105)
7 and upon reception of said ~~removable~~ respective enabling algorithm,
8 the performance of the following functions:

9 extracting, reading and deciphering the EMM messages
10 contained in the digital data stream received,

11 interpreting said identification code contained in the
12 EMM messages,
13 executing said ~~respective~~ enabling algorithm by exploiting said
14 identification code.

1 6. (Currently amended) The method according to claim 3
2 1, wherein said respective enabling algorithm is incorporated in to
3 a stream of private data within said digital data stream.

1 7. (Currently amended) The method according to claim 3
2 1, wherein, upon reception of said respective enabling algorithm,
3 said processing function (VM) enables said receiver to operation as
4 transmitters to transmit information about the delivery of the
5 service itself.

1 8. (Currently amended) A system for the controlled
2 delivery of digital services by a plurality of providers (SP) to a
3 user (U), wherein said services are identified by respective coded
4 digital data streams ~~delivered by~~ and the user is provided with
5 a receiver (STB) and a single removable user unit (105) to receive
6 said digital data streams delivered by said plurality of providers,
7 the receiver being selectively enabled to make use of respective
8 determined services of a given provider, wherein:

9 each of said plurality of providers (SP) ~~are~~ is arranged
10 to incorporate into said digital data streams ~~a~~ respective enabling

11 algorithm (TMW2) to be selectively loaded into a the single
12 removable user unit (105) to be associated to said receiver (STB)
13 for enabling use of said respective determined services of said
14 plurality of providers, as well as a respective identification code
15 of the user (U) to be enabled to receive said respective determined
16 services, and

17 said single removable user unit (105) has associated
18 thereto a processing function (VM) arranged to recognize and
19 execute said respective enabling algorithm on the basis of said
20 identifying code, to enable the receiver (STB) of the user to make
21 use of said respective determined services of said plurality of
22 providers.

1 9. (Original) The system according to claim 8, wherein
2 said single removable user unit (105) is configured as a removable
3 processing supports uniquely assigned to said user

1 10. (Currently amended) The system according to claim 9
2 8, wherein said single removable user unit is configured as a smart
3 card.

4 11. (Currently amended) The system according to claim
5 8, wherein:

6 said receiver have associated thereto a trusted
7 middleware function (TMW) configured in a static part (TMW 1),
8 residing on said receiver (STB), and in a dynamic part (TMW2)
9 arranged to be selectively transferred on the single removable user
10 unit (105) in view of the execution of said respective enabling
11 algorithm by said processing function (VM).

1 12. (Currently amended) The system according to claim
2 8, wherein said service providers emit said digital data streams as
3 MPEG data streams containing EMM messages with said identifying
4 code inserted in said EMM messages, and said receiver comprises:

5 modules for extracting, reading and deciphering the EMM
6 messages contained in the received digital data stream,

7 modules (103, 104) for interpreting said identifying code
8 contained in the EMM messages, and

9 processing modules (VM) to execute said ~~at least one~~
10 respective enabling algorithm on the basis of said identifying
11 code.

1 13. (Currently amended) The system according to claim 8,
2 wherein each of said plurality ~~said service of~~ providers
3 incorporates said respective enabling algorithm into a stream of
4 private data within said digital data streams.

1 14. (Currently amended) The system according to claim
2 13 8, wherein the receiver can be activated by said single
3 removable user unit (105) upon reception of said respective
4 enabling algorithm for operation as a transmitter to transmit
5 information about the delivery of the service itself.

1 15. (Original) The system according to claim 8, wherein
2 said single removable user unit (105) is configured as a Java Card.